

**DOE READING ROOM
DOCUMENT TO BE RELEASED**

T070304

1. Location of Reading Room: Idaho Operations Public Reading Room 1776 Science Center Dr. University Place Idaho Falls, ID 83403		2. Expected Release Date: May 15, 1995
3. Document Type: <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><input type="checkbox"/> Letter <input type="checkbox"/> Memorandum <input type="checkbox"/> Report <input type="checkbox"/> Publication <input checked="" type="checkbox"/> Other (Specify) Notegram: Subject: CONCERNING EXPOSURE LIMITS (Methyl Iodide, Skin Test, Dose)</div><div style="width: 50%;">a. If letter or memo: To: H. H. Ferguson From: O. L. Cordes Subject: b. If report: Title:</div></div>		
4. Document Date: September 14, 1965	c. If publication: Name: Volume: Issue:	
5. Summary (2-3 lines indicating the major subject(s) of the document): sample Volunteer's Consent form for skin absorption test; attached to notegram from OLC to HHF. Consent form is an AEC-ID form, slightly modified to work with both AEC and contractor.		
6. Name and telephone number of person completing form: Burton R. Baldwin (208) 525-0203	7. Organization: Lockheed Idaho Technologies Co.	8. Date: March 28, 1995

☐ Check here if a copy of the document is being sent to Headquarters.

HUMAN RADIATION EXPERIMENTS

RECORDS PROVENANCE FORM

REPOSITORY NAME	INEL
COLLECTION NAME	OFFICE OF CHIEF COUNSEL SUBJECT FILES
BOX NUMBER	INEL BOX NO. 23399
ADDITIONAL LOCATION INFORMATION	THE BOX IS STORED AT CFA-674-E RECORDS HOLDING AREA, LOCATION, UT6B THE RECORD STORAGE RECEIPT NUMBER IS 2613 FOLDER: SAFETY-16 IODINE RADIATION EXPERIMENTS
FILE TITLE	NOTEGRAM FROM O. L. CORDES TO H.H. FERGUSON CONCERNING EXPOSURE LIMITS
TOTAL PAGES	
BATE NUMBER RANGE	
DOCUMENT NUMBER RANGE	

HEI FORM DOCUMENT NO.: T070050

DOCUMENT NO.: T070304

DOCUMENT TITLE: NOTEGRAM FROM O. L. CORDES TO H.H. FERGUSON
CONCERNING EXPOSURE LIMITS

CROSS REFERENCES:

ITEMS OF INTEREST:

cc
J. W. McCaslin
C. L. Voelz (AEC)
P. E. Rukter

NOTEGRAM - TELEGRAM

Date _____

RECEIVED	
IF TELEGRAM	
FRID	NETCHARGE
SEP 2 1952	
PLACE IN	
TO " " "	
ROUTE	INITIAL

To W. H. Ferguson Dept. _____ Address _____
From OLC, Cordes Dept. _____ Address _____

Please note the marked statement concerning the exposure limits. I think this is about as ~~simple~~ explicit as we can make it without printing the entire table. All personnel used as volunteers will be from the Health and Safety Branch and will have direct access to the FRS Report No. 1. They are required by the nature of their jobs to be familiar with its recommendations.

REPOSITORY INEC

COLLECTION OFFICE OF CHIEF COUNSEL SUBJECT FILE
23399, UTGB CFA 674E

BOX No. FILE: SAFETY-16 IODINE RADIATION EXPERIMENT
NOTEGRAM FROM OLC CORDS TO HH FERGUSON

FOLDER SUBJ: EXPOSURE LIMITS

.....
(Date)

Methyl Iodide Skin
Penetration Experiment

Dear Mr.

You have indicated your willingness to participate in the forthcoming iodine skin penetration experiment. This experiment will involve standing in a cloud of methyl radioiodide while being equipped with a breathing apparatus such as a Scott Air Pak. The period of exposure will not exceed 30 minutes. The estimated thyroid dose to the AEC volunteers, who will not be equipped with breathing apparatus, is 30 mrem. The skin penetration dose to the thyroid should not exceed this value. Based on current administrative controls, this is one-twelfth (1/12) of a day's exposure. A whole body count will be made to determine the amount of radioiodine deposited in the thyroid.

The data from this experiment should help determine what hazards are presented by a radioiodine atmosphere from the penetration of iodine through the skin to the thyroid. Participation in this experiment is to be considered within the scope of your employment with Phillips Petroleum Company's Atomic Energy Division.

Please read and sign the following statement signifying your voluntary acceptance of any risk involved in your participation in this experiment.

(Signature)

I, _____, do hereby acknowledge that I have volunteered as an employee of Phillips Petroleum Company to participate in scientific investigations to be jointly conducted by AEC's Idaho Operations Office and by Phillips' Atomic Energy Division. I realize that my participation in the experiment may result in my receiving internally a small quantity or quantities of radioisotopes which have been estimated by the ID Medical Branch to be less than 10% of the radiation guide limits established in the Federal Radiation Council Report No. 1 for occupational radiation exposure. I understand that a documented record of these investigations will be on file with both Phillips Petroleum Company and the ID Health and Safety offices as part of my occupational exposure and/or medical record.

Witnesses:

Signature

Signature

Date

Signature

Nuclide Taken	Quantity µc	Date Taken	T 1/2 eff. days	Administration		
				Chemical Form	Physical Form	Route

Chief, Analytical Chem. Branch
Health & Safety Division
IDO-USAEC

Date

Chief, Medical Branch
Health & Safety Division
IDO-USAEC

Date

C. K. H.
10/1/6